

Thursday, November 18, 2010 11:24:56 AM

**Accept**

**Setup Start**

**Stop**

[illegible]**Cust Item ID:**[illegible]

**Customer:**

**Reference:**

Run Start

Date:

Date:

## Stop

**Insp.  
Stamp**

Revision Nbr

C

0.00

DOCUMENT CONTROL

## Memo

0.00

Photocopy bluefile &amp; type labels per PPPD350-794-041

CHG001

0.00

## Pick Kit

### Packaging

## Memo

0.00

QC4- 100% Inspect kits for completeness

0.00

## Memo

## Quality Control

0.00

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 63892**

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Page 2

Item ID: D350-794-041

Accept

Setup Start

Revision ID:

Stop

Item Name: Tank Assembly

Start Date: 11/22/2010 Start Qty: 1.00

Cust Item ID:

Required Date: 12/17/2010 Req'd Qty: 1.00

Customer:



Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPPD350-794-041								
	Location: _____								
	PPP Rev: <u>D</u>								
140		0.00							
	QC21- Final Inspection - Work Order Release								
QC	Memo	0.00							
Quality Control									

CC 11/22/2010 3 (1)

10/11/24

MF

10-11-23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Thursday, November 18, 2010 11:24:56 AM

Page 1

**Parent Item:** D350-794-041

**Parent Item Name:** Tank Assembly






**Start Date:** 11/22/2010

**Required Date:** 12/17/2010

**Start Qty: 1.00**

**Required Qty: 1.00**

**Comments:** IPP Rev:A 10.05.17 ECN10-562 DD verf:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4055-041  Fuel Tank Assembly		Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST				1					
					59520			1					
D4002-041  Aux Tank Drain Hose Assembly, Fwd		Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST193				1					
					59701			1					
D4002-043  Aux Tank Drain Hose Assembly, Aft		Manufactured	No			110	Each	0.0000	1	1			
MS20822-3D  Elbow		Purchased	No			110	Each	8.0000	2	2			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST299				8					
					107242			8					
<del>AN832-6D</del> N/A  UNION		Purchased	No			110	Each	8.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST333				8					
					114742			8					

# Dart Aerospace Ltd

W/O: 63892		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/6/23	# 100	Perm. chan <del>change</del> wrong part for this kit remove A1832-6D and put back in to stock					8 10/6/23	
		Pick A1816-6D B* <u>17546</u> qty 21 per kit update w/o + Bom.					8 10/6/23	

Part No: D350-794-041 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Page 2

Work Order ID: 63892

Parent Item: D350-794-041

Parent Item Name: Tank Assembly

Start Date: 11/22/2010

Required Date: 12/17/2010

Start Qty: 1.00

Required Qty: 1.00

MS20822-8D

Purchased No

110 Each

3.0000

1

1



Elbow-90M-1/2Flare-3/8NP

Location

Loc Qty

Loc Code

ST299

3

16762

3

D4009-041 JCAM47-4-01

Manufactured No

110 Each

4.0000

2

2



Bonding Braid

Location

Loc Qty

Loc Code

ST114

4

59518

2

59519

2

TBA288 D3600-1

Purchased No

110 Each

0.0000

3

3



Cable Tie Fastener

TY25MX

Purchased No

110 Each

999.0000

1

1



Tie Wrap

Location

Loc Qty

Loc Code

ST383

999

115695

999

AN816-6D

17546

X1

11/15/23

Thursday, November 18, 2010 11:24:56 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



#### 4.0 ELECTRICAL LOAD

The electrical load effect for each aircraft must be assessed as follows.

Component	Load
Fuel Pump	3.00 Amps
Fuel Gauge	0.45 Amps
Fuel Sender	0.13 Amps
Total Installation	3.58 Amps = 100 Watts

#### 5.0 WEIGHT AND BALANCE

The following is the weight increase associated with the Aux Fuel Tank Installation. Be sure to subtract the weight of any parts or material removed.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-794-011 Auxiliary Fuel Tank (AS350 models)	29.8 lb 13.5 kg	-22.0 in -0.56 m	-655.6 in-lb -7.56 m-k-g	126.0 in 3.20 m	3754.8 in-lb 43.2 m-k-g
D350-794-013 Auxiliary Fuel Tank Provisions (AS350 models)	5.5 lb 2.5 kg	-14.6 in -0.37 m	-80.3 in-lb -0.93 m-k-g	163.4 in 4.15 m	898.7 in-lb 10.4 m-k-g
D130-794-021 Auxiliary Fuel Tank (EC130 models)	29.8 lb 13.5 kg	-23.6 in -0.60 m	-703.3 in-lb -8.1 m-k-g	126.0 in 3.20 m	3754.8 in-lb 43.2 m-k-g
D130-794-023 Auxiliary Fuel Tank Provisions (EC130 models)	5.5 lb 2.5 kg	-16.1 in -0.41 m	-88.6 in-lb -1.03 m-k-g	163.4 in 4.15 m	898.7 in-lb 10.4 m-k-g

#### 6.0 PARTS LIST

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Part Number	Superseded Part Numbers	Description
X					D350-794-011		AUXILIARY FUEL TANK (AS 350 SERIES)
1	X				D350-794-013		AUXILIARY FUEL TANK PROVISIONS (AS 350 SERIES)
		X			D130-794-021		AUXILIARY FUEL TANK (EC 130 SERIES)
		1	X		D130-794-023		AUXILIARY FUEL TANK PROVISIONS (EC 130 SERIES)
1		1		X	D350-794-041		TANK ASSEMBLY
				1	D4055-041 ✓	JCA/M47-1-01A	FUEL TANK
	1		1		D4022-041	A8150-B1-JCA	FUEL TRANSFER PUMP ASSEMBLY
				1	D4023-1 ✓	ER281	FUEL CAP
	1		1		D4002-5	JCA-M47-2-13	SUPPLY HOSE – FROM AUX TANK
	1		1		D4003-047	JCA-M47-2-16	FUEL PUMP INLET PIPE
	1		1		D4002-7	JCA-M47-2-25	SUPPLY HOSE – PUMP TO MAIN TANK FILLER NECK
				1	D4002-041 ✓	JCA-M47-1-13	DRAIN HOSE ASSEMBLY – FRONT
				1	D4002-043 ✓	JCA-M47-1-16	DRAIN HOSE ASSEMBLY – REAR
				2	MS20822-3D ✓		UNION
	1		1		AN832-6D		BULKHEAD UNION
				1	AN816-6D		STRAIGHT FITTING
	2		2		AN924-6D		NUT (ALTERNATE AS5178D06)
	2		2		NAS1149D0963J		WASHER

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Revision: C

Date: 10.01.25

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Part Number	Superseded Part Numbers	Description
				1	MS20822-8D ✓		90° FITTING
	2		2		AN815-6D		UNION
	2		2		MS29512-06		ORING
	1		1		D4022-3	05-00021	FUEL PUMP MOUNTING BRACKET
	2		2		AN3-4A		BOLT
	2		2		MS21042-3		NUT
	2		2		AN970-3		WASHER
	1		1		D4008-043	JCA-M47-2-29	FUEL PUMP SPLASH GUARD
	1		1		D4004-7	N3	HOSE CLIP
				2	D4009-041 ✓	JCA-M47-4-01	BONDING BRAID
				1	D4008-041 ✓	JCA-M47-2-26	AUXILIARY TANK FILLER SPLASH GUARD
	4		4		AN525-10R6		SCREW
	1		1		D4001-3	AN832-6D-JCA	BULKHEAD FITTING - MODIFIED
	7		7		CR3212-5-5		CHERRY MAX RIVET
	18		18		CR3213-4-3		CHERRY MAX RIVET
	4		4		CR3212-4-3		CHERRY MAX RIVET
	12		12		MS20470AD4-6		RIVET
	32		32		MS20470AD3-4		RIVET
	16		16		MS20470AD5-6		RIVET
	6		6		MS20470AD5-8		RIVET
	9		9		CR3213-5-2		CHERRY MAX RIVET
	6		6		CR3212-5-4		CHERRY MAX RIVET
	3		3		CR3212-5-3		CHERRY MAX RIVET
	10		10		CR3212-5-2		CHERRY MAX RIVET
							<b>Vent Assembly Parts</b>
	2		2		MS21919WDG-8		CLAMP
	1		1		D4003-11	JCA-M47-2-21	VENT PIPE - TANK
			1		D4027-041	JCA-M47-2-20	VENT CLAMP ASSEMBLY
	1		1		D4003-049	JCA-M47-2-17	VENT PIPE - TANK
	1		1		D4027-043	JCA-M47-2-35	VENT CLAMP ASSEMBLY
	1		1		D4063-3	193-8	VENT HOSE
	2		2		2000-8S		HOSE CLAMP
	1		1		NAS43DD3-32N		SPACER
	1		1		MS35207-267		SCREW
	2		2		MS35207-264		SCREW
	3		3		NAS1149D0332J		WASHER
	3		3		MS21042-3		NUT
				3	TBA28B ✓		CABLE TIE FASTENER
				1	TY25MX ✓		TIE WRAP
	1		1		MS21919WDG-6		CLAMP (RUBBER REMOVED)
	1		1		D4009-041	JCA-M47-4-01	BONDING BRAID ASSEMBLY
							<b>Restraint Assembly Parts</b>
	1		1		D4005-1	JCA-M47-2-03	REAR RESTRAINT ANGLE/GUTTER
	1		1		D4004-11	JCA-M47-2-11	TOP STRAP ATTACH BRACKET
	1		1		D4004-5	JCA-M47-2-23	BOTTOM STRAP ATTACH BRACKET
	3		3		MS24694-S50		SCREW
	3		3		MS21042-3		NUT
	3		3		NAS1149F0363P		WASHER
	1		1		D4024-041	JCA/ASSO/MIN	ANCRA RESTRAINT STRAP
	1		1		D4004-041	JCA-M47-2-19	SIDE RESTRAINT ANGLE
	1		1		D4007-3	JCA-M47-2-18	TOP SUPPORT BRACKET
	1		1		D4006-041	JCA-M47-2-01	TANK TOP SUPPORT ASSEMBLY

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Revision: C  
 Date: 10.01.25

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Part Number	Superseded Part Numbers	Description
	2		2		AN4-5A		BOLT
	2		2		NAS1149F0463P		WASHER
							<b>Locker Preparation Parts</b>
	1		1		D4005-041	JCA-M47-2-22	FORWARD FLOOR GUTTER
	1		1		D4063-1	193-6	DRAIN HOSE
	1		1		MS21919WDG-9		CLAMP
	1		1		MS35207-264		SCREW
	1		1		NAS1149D0332J		WASHER
	1		1		MS21042-3		NUT
	1		1		2000-6S		HOSE CLAMP
	3		3		NAS1474-08		SEALED CAPTIVE ANCHOR NUT
	1		1		D4005-11	JCA-M47-2-12	FINISHING STRIP
	4		4		MS21059-L08		ANCHOR NUT
	7		7		AN525-832R6		SCREW
							<b>Electrical Parts</b>
	1		1		D8-603		6.3A ECF FUSE (ALTERNATE HA23-6U3)
	1		1		D1-205		2.5A ECF FUSE (ALTERNATE HA21-2U5)
	1		1		MS35058-23		SWITCH
	1		1		107-964		CONNECTOR RECEPTACLE
	1		1		107-978		CONNECTOR BACKSHELL (ALTERNATE 105-5465)
	1		1		107-943		CONNECTOR PLUG
				1	D4025-1	VDO-M47-JCA	FUEL QUANTITY SENDER
	4		4		MS35206-217		SCREW
	4		4		NAS1149FN416P		WASHER
	4		4		MS21044N04		NUT
	1		1		143-207		PLUG
	1		1		143-208		RECEPTACLE
	1		1		143-204		RECEPTACLE HOUSING (ALTERNATE 973-1490)
	1		1		143-203		PLUG HOUSING (ALTERNATE 973-1482)
	5		5		143-219		CRIMP PIN (ALTERNATE 977-3800)
	5		5		143-217		CRIMP SOCKET (ALTERNATE 977-3797)
	1		1		D4009-041	JCA-M47-4-01	BONDING BRAID ASSEMBLY
	1		1		D4026-041	FL-100-R-JCA	FUEL GAUGE
	2		2		AN525-832R6		SCREW - GROUND STUD
	2		2		NAS1149FN832P		WASHER
	2		2		MS21042-08		NUT
	1		1		444-2556		GAUGE MASTER SWITCH
	1		1		D4022-5	3775628	THERMAL SWITCH (125°) - FARNELL (ALTERNATE 100-6847)
							<b>General</b>
	1		1		AN5800-1		PLACARD HOLDER
	1		1		AN929-6D		BLANK CAP
							<b>Additional EC 130 Parts</b>
			3		MS35207-264		SCREW
			3		NAS1149D0332J		WASHER
			3		MS21042-3		NUT
			1		D4027-041	JCA-M47-2-20	VENT CLAMP ASSEMBLY
			1		D4004-043	JCA-M47-2-04	SIDE RESTRAINT ANGLE AND TIE DOWN POINT

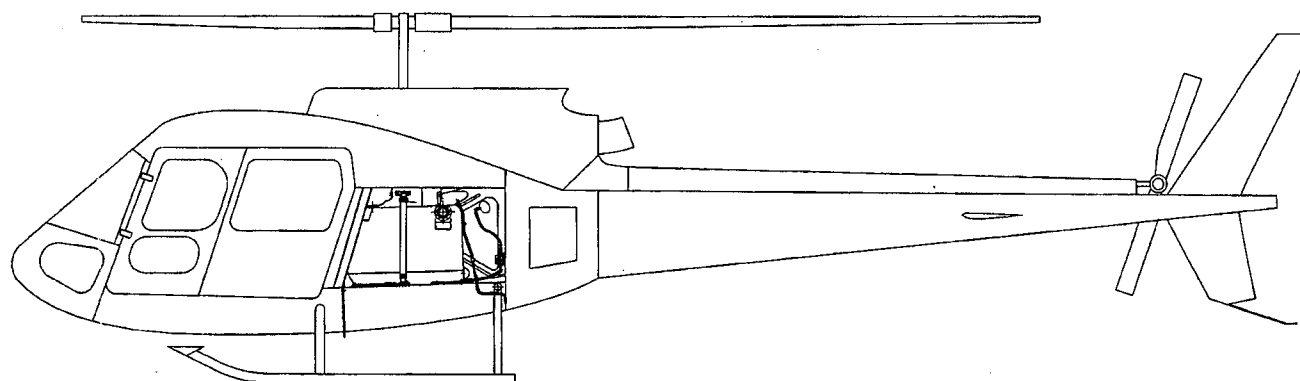
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Revision: C  
 Date: 10.01.25

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Part Number	Superseded Part Numbers	Description
			1		D4005-5	JCA-M47-2-06	ANGLE
			4		D4005-7	JCA-M47-2-07	ANGLE
			1		D4005-9	JCA-M47-2-08	ANGLE
			1		D4007-1	JCA-M47-2-02	TOP SUPPORT BRACKET
			1		D4005-3	JCA-M47-2-05	FORWARD RESTRAINT BEAM
			2		AN4-6A		BOLT
			1		D4007-5	JCA-M47-2-24	PACKER
			60		MS20470AD4-4		RIVET
			30		MS20470AD4-6		RIVET
			10		CR3213-4-3		CHERRY MAX RIVET
			10		CR3213-4-2		CHERRY MAX RIVET
							<b>Placards</b>
	1				D3997-1	JCA-M47-P1	FUEL QUANTITY – AS 350 MODELS
			1		D3997-3	JCA-M47-P2	FUEL QUANTITY – EC 130 B4 MODEL
	1		1		D3997-5	JCA-M47-P3	AUX FUEL DRAIN
	1		1		D3997-7	JCA-M47-P4	AUX FUEL TRANSFER PUMP
	1		1		D3997-9	JCA-M47-P5	AUX FUEL
	1		1		D3997-11	JCA-M47-P6	WEIGHT AND BALANCE
	1		1		D3997-13	JCA-M47-P7	ON/OFF
	1		1		D3997-15	JCA-M47-P8	CHECK LOCKER TANK
	1		1		D3997-17	JCA-M47-P9	STOWAGE PROHIBITED
	1		1		D3997-19	JCA-M47-P10	TANK VENT
	1		1		D3997-21	JCA-M47-P13	SWITCH FIXED
	1		1		D3997-23	JCA-M47-P14	AUX FUEL
	1				D3997-25	JCA-M47-P15	CONVERSION CHART – AS 350 MODELS
			1		D3997-27	JCA-M47-P16	CONVERSION CHART – EC 130 B4 MODEL
	1		1		D3997-29	JCA-M47-P17	DO NOT OVERFILL WARNING
	1		1		D3997-31	JCA-M47-P18	ON/OFF
	1		1		D3997-33	JCA-M47-P19	AUX GAUGE FACE
	1		1		D3997-35	JCA-M47-P20	AUX FUEL GAUGE
	1		1		D3997-37	JCA-M47-P21	6.3 A CIRCUIT BREAKER
	1		1		D3997-39	JCA-M47-P22	2.5A CIRCUIT BREAKER
	1		1		D3997-41	JCA-M47-P23	AUX TANK NOT FITTED
	1		1		D3997-43	JCA-M47-P24	EARTH

ITEM NO.	QTY	PART NUMBER	DESCRIPTION
1	1	D4006-041	TANK TOP SUPPORT
2	1	D4005-1	AFT RESTRAINT ANGLE/FUEL GUTTER
3	1	D4024-041	RESTRAINT STRAP ASSEMBLY
4	1	D4004-11	STRAP ATTACHMENT BRACKET (TOP)
5	1	D4005-11	FINISHING STRIP
6	1	D4002-5	FUEL HOSE FROM AUXILIARY TANK
7	1	D4022-3	PUMP BRACKET
8	1	D4022-041	FUEL PUMP
9	1	D4003-047	FUEL PUMP INLET TUBE
10	1	D4003-049	VENT TUBE (UPPER)
11	1	D4007-3	SUPPORT BRACKET
12	1	D4004-041	SIDE RESTRAINT AND TIE DOWN POINT
13	1	D4003-11	VENT TUBE (LOWER)
14	1	D4005-041	FORWARD FUEL GUTTER
15	1	D4004-5	STRAP ATTACHMENT BRACKET (BOTTOM)
16	1	D4002-7	FUEL SUPPLY HOSE

ITEM NO.	QTY	PART NUMBER	DESCRIPTION
17	1	D4008-041	AUXILIARY TANK FILLER SPLASH GUARD
18	1	AN832-6D	BULKHEAD FITTING
19	1	D4008-043	FUEL PUMP SPLASH GUARD
20	1	107-964	FARNELL CANNON PLUG
21	3	D4009-041	BRAIDED EARTH LEAD
22	1	D4002-041	AUXILIARY TANK FUEL DRAIN HOSE (FWD)
23	1	D4002-043	AUXILIARY TANK FUEL DRAIN HOSE (AFT)
24	1	D4027-043	VENT MOUNTING CLAMP
25	1	D4001-3	FITTING
26	1	NAS1149D0963J	WASHER
27	1	AN924-6D	NUT
28	1	D4063-3	HOSE
29	1	D4063-1	HOSE
30	1	2000-6S	HOSE CLAMP
31	2	2000-8S	HOSE CLAMP
32	2	TBA28B	TY-WRAP MOUNT



REFERENCE ONLY

AS 350 WITH AUXILIARY FUEL TANK INSTALLED  
(SIDE LOCKER DOOR REMOVED FOR CLARITY)

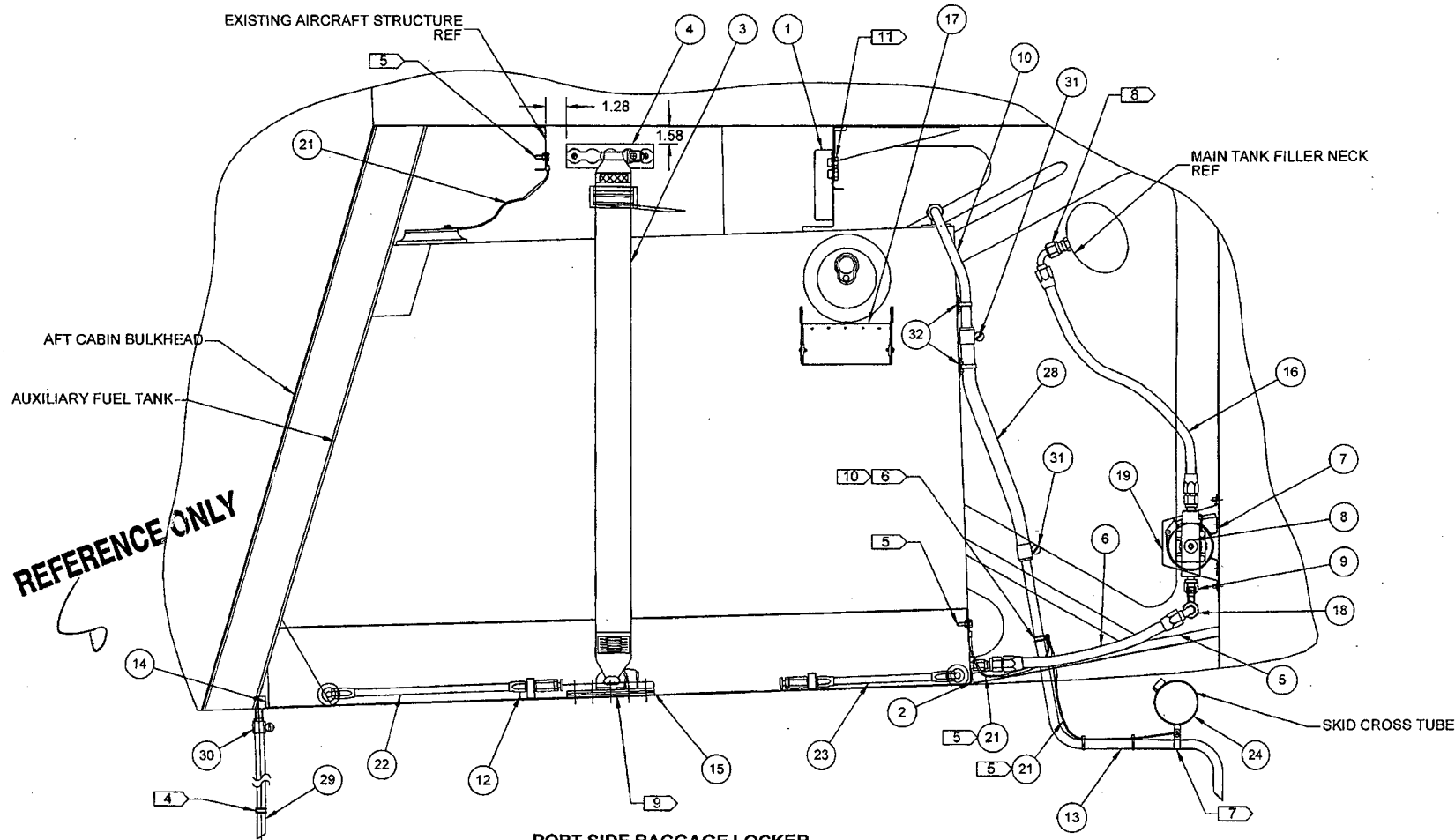
NOTES:

- 1) DEBURR AND BREAK SHARP EDGES
- 2) APPLY ALODINE 1201 AND ZINC CHROMATE PRIMER (OR EQUIVALENT) TO ALL RAW EDGES
- 3) REFER TO DART IIN-D350-794 LATEST REVISION
- 4) EARTH BOTH THE TANK AND THE VENT TUBE TO THE SIDEWALL USING BRAIDED EARTH LEADS. SECURE EARTH LEADS TO THE VENT TUBE USING MS3367-2 CABLE TIES AS REQUIRED.

A	NEW ISSUE	BY	10.01.28
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.28		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D350-794-001	REV. A
TITLE AUX TANK INSTALLATION	SCALE NTS
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REFERENCE ONLY



**PORT SIDE BAGGAGE LOCKER**  
(LOOKING INBOARD - SIDE LOCKER DOOR REMOVED FOR CLARITY)

**NOTES:**

- 1) DEBURR AND BREAK SHARP EDGES
- 2) APPLY ALODINE 1201 AND ZINC CHROMATE PRIMER TO ALL RAW EDGES
- 3) REFER TO DART IIN-D350-794 LATEST REVISION
- 4) USE MS21919WDG-9 CLAMP TO SECURE HOSE TO EXISTING STRUCTURE
- 5) INSTALL GROUNDING STUD PER AC 43.13
- 6) INSTALL PER AC 43.13 FOR EARTH BONDING POINT
- 7) REMOVE CLAMP RUBBER AND TUBE PAINT AT CLAMP POSITION. ELECTRICALLY BOND PER AC 43.13
- 8) REFER TO SHEET 5 FOR INSTALLATION DETAILS
- 9) REFER TO SHEET 3 FOR INSTALLATION DETAILS
- 10) INSTALL USING MS21919WDG-8 P-CLAMP, MS35207-264 SCREW, MS21042-3 NUT, NAS1149D0332J WASHER, NAS43DD3-32N SPACER
- 11) SECURE BRACKET USING 2X AN4 BOLTS

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESSBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	D350-794-001	SHEET 2 OF 6
APPROVED		TITLE	SCALE
DE APPR.		AUX TANK INSTALLATION	NTS
DATE	10.01.28	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

**L Lacelle**

**From:** Harvey Siemens [hsiemens@dartaero.com]  
**Sent:** November 3, 2010 5:30 PM  
**To:** 'Kevin Barton'; 'L Lacelle'  
**Cc:** 'Chantal Lavoie'  
**Subject:** RE: aux tank

Linda

It just occurred to me where we use Ty Wrap mounts and yes D3600-1 would be an acceptable alternative for the Aux tank. I will make a note to adjust the number in the Aux tank IIN and ICA. Sorry for being so slow on the up-take.

Regards,

*Harvey Siemens*

Mechanical Designer  
 DART Aerospace Ltd.

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**From:** Kevin Barton [mailto:kbarton@dartaero.com]  
**Sent:** Wednesday, November 03, 2010 2:01 PM  
**To:** 'L Lacelle'; 'Harvey Siemens'  
**Cc:** 'Chantal Lavoie'  
**Subject:** RE: aux tank

The 444-2556 part number was "alternated" a couple of e-mails ago. See the quote from my Sept 9<sup>th</sup> e mail.

"444-2556 Can't find it as ever being a part. We did manage to cross that over to a Farnell P/N of 957-4816 which translates to a C & K P/N 7101SYZQE. "

Here is a link to Newark's website: <http://canada.newark.com/c-k/7101syzqe/switch-spdt/dp/99K0352>  
 they appear to have stock but it might be manufacturer stock. You could also use:  
[http://canada.newark.com/tyco-electronics/a101syzq04/switch-toggle-spdt-5a-250v/dp/69K7055?](http://canada.newark.com/tyco-electronics/a101syzq04/switch-toggle-spdt-5a-250v/dp/69K7055?in_merch=true&MER=ALT_N_L5_EverywhereElse_None)  
[http://canada.newark.com/tyco-electronics/alcoswitch/mta106d/switch-toggle-spdt-6a-250v/dp/69K7015?in\\_merch=Popular](http://canada.newark.com/tyco-electronics/alcoswitch/mta106d/switch-toggle-spdt-6a-250v/dp/69K7015?in_merch=Popular_Products&in_merch=Popular_Products&MER=PPSO_N_C_EverywhereElse_None)  
 Products&in\_merch=Popular Products&MER=PPSO\_N\_C\_EverywhereElse\_None

(I would recommend using the MTA-106D, as they seem to be more common!)

As for the TBA28B I would suggest <http://canada.newark.com/thomas-betts/tc5345a/cable-tie-4-way-mounting-base-adhesive/dp/90F6115>

11/15/10

REFERENCE ONLY

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



They come in packs of 100, I can try and find another alternative if need be.

I know this is a little messy call if you have questions. I will be working on the rest of the parts this afternoon, so Harvey can do a D part drawing for you.

**Kevin Barton**

**From:** L Lacelle [mailto:llacelle@dartaero.com]  
**Sent:** November 3, 2010 12:18 PM  
**To:** 'Harvey Siemens'; 'Kevin Barton'  
**Cc:** 'Chantal Lavoie'  
**Subject:** RE: aux tank  
**Importance:** High

Hi guys...again. I know, I'm a pain in the ass...but I'm getting more and more delivery requests for aux tanks. and I need the equivalents pls!!

**From:** L Lacelle [mailto:llacelle@dartaero.com]  
**Sent:** November 2, 2010 9:26 AM  
**To:** 'Chantal Lavoie'; 'Harvey Siemens'  
**Cc:** 'Kevin Barton'  
**Subject:** RE: aux tank

REFERENCE ONLY

Yes, and I need to package up the one I have here...  
 LL

**From:** Chantal Lavoie [mailto:clavoie@dartaero.com]  
**Sent:** November 2, 2010 9:25 AM  
**To:** 'Harvey Siemens'  
**Cc:** 'Linda Lacelle'; 'Kevin Barton'  
**Subject:** RE: aux tank

Hi Harvey,  
 Where you able to create "D" part for the aux tanks. I' am still missing the replacement for item 444-2556 & TBA28B from IIN-D350-794.  
 Thanks  
 Chantal

**From:** Harvey Siemens [mailto:hsiemens@dartaero.com]  
**Sent:** September 21, 2010 4:59 PM  
**To:** 'Chantal Lavoie'  
**Subject:** RE: aux tank

Hey Chantal,

Sorry to take so long to get back to you, in meetings all day today.

Our intention is to create a "D" number drawing that will address all the alternate numbers for the electrical stuff on the Aux Tank. that, however, is not quite ready yet, but it's on the list.

Thanks for your patience

11/15/10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval. QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Regards,

Harvey Siemens

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**From:** Chantal Lavoie [<mailto:clavoie@dartaero.com>]

**Sent:** Tuesday, September 21, 2010 8:04 AM

**To:** 'Harvey Siemens'

**Subject:** RE: aux tank

Harvey,

Will you be changing the p/n: in the IIN-D350-794 for part # 444-2556(7101SYZQE) and also could you have a look at the attach. for p/n:D3600 to see if that would work instead of TBA28B.

Thanks  
Chantal

**From:** Harvey Siemens [<mailto:hsiemens@dartaero.com>]

**Sent:** September 21, 2010 9:41 AM

**To:** 'Chantal Lavoie'

**Subject:** RE: aux tank

Good Morning Chantal

Not sure about the cable tie fasteners. They are just a little square piece of white plastic that has some double sided tape to stick them to the tank. They is a slot for a cable tie on the top side so that a cable tie can attach to them. Whoever we buy cable ties from should have something like that.

Yes the 7101SYZQE switch is ok as a replacement for the 444-2556.

Regards,

Harvey Siemens

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11/15/10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries